Focoltone Intelligent Color Calibration System 2.1

Quick Start Guide

A. CHECKLIST FOR INSTALLATION

Please have the following items ready BEFORE performing the installation.

No	Actions	Remarks
1	Perform test print from designated printer using a **PostScript driver**.	Please install a PS driver for the designated printer, if there is none.
2	Perform a test scan from Adobe Photoshop>File>Import at 300dpi, A4 size, and write down **EXACT scanner name** from File>Import in Adobe Photoshop (e.g. ScanJet…)	Scanner Name: _____
3	Note rotation angle required for scanned image to appear upright and landscape on screen.	☐ 0° ☐ 90° CW ☐ 90° CCW ☐ 180°
4	Installation Code - **found with installation CD**	**Installation Code:** _____
5	Registration Key - obtainable by registering your software copy at **www.focoltone.com/register.html**	**Registration Key:** _____
6	**Printer's default ICC profile** or system's ICC profile - from printer driver installation CD or system's color management folder (e.g.WINNT\system32\spool\drivers\color in Windows or System:Library:ColorSync:Profiles in Macintosh)	
7	Set Adobe Photoshop's working profile to the **same** as input ICC profile. In Photoshop, select Edit>Color Settings (Photoshop>Color Settings for Mac OS X). Under Working Spaces, Click on CYMK drop-down list to select the input ICC profile. If the ICC profile is not in the list, select **Load CMYK...** to find it. After that, please **disable** all the Color Management Policies.	See A-6 for input ICC profile
8	For Macintosh OS 9.x ONLY • Please set the preferred memory size to 150000K for Photoshop. (Select the Photoshop application, hold down APPLE and I key to launch Photoshop Info dialog box, select Memory from the Show pull-down menu, set the Preferred Size to minimum 150000K.) • Please select the PostScript printer from Chooser, and write down the EXACT printer name.	PostScript Printer Name: _____

B. INSTALLATION

No	Actions	Remarks
1	Insert Focoltone ICCS CD	
2	Select **Mac** or **Win** folder as per your operating system	
3	Click **ICCSinstall** for Mac or **Setup.exe** for Win	
4	Enter Installation Code: Mac: key into **Password** field Win: key into **Serial** field	See A-4 for Installation Code
5	Choose Plug-in location: Mac: Select Adobe Photoshop **program folder** For example: Harddisk:Applications:Adobe Photoshop: Win: Select Adobe Photoshop **Plug-ins folder** For example: C:\Program Files\Adobe\Photoshop\Plug-Ins	

C. FOCOLTONE ICCS SETTINGS

No	Actions	Remarks
1	In Adobe Photoshop, select **File>Automate>Focoltone ICCS**	
2	Enter **Registration Key** only for the first time	See A-5 for Registration Key

3	Click **Options** for proper set-up every time you start a calibration process. In Windows, Options is under the Setting menu. • Mode: Automatic (recommended) • Paper type: A4 • Orientation: Landscape • Scan software: if not Fiery Scan or TWAIN_32, key in exact scanner name as described in A-2 earlier • Scanned Image Rotation: set as described in A-3 earlier • Color Adjustment: Normal (recommended) • Via: ICC Profile (recommended) and/or Output Curve • Color Output Verification: select one or both options	 • See A-2 for other scanner name. • See A-3 for Scanned Image Rotation setting.
4	At ICCS Options, click **Printer** to configure **ICCS Setting** • Name: User or company name • Printer: select printer to calibrate • Date of First Use: enter date • Serial number: enter Focoltone Calibration Chart serial number • Setting: enter setting name (max 27 characters) **Generated ICC profile will appear as <settingname>.icc** **Recommended:** Create a different setting name every time you start a new calibration process. You can differentiate the setting name by printer, paper, dpi, date and time for easy reference. • Input ICC profile: select as described earlier in A-6	 For Macintosh OS 9.X, see A-7 for printer name. E.g. Printer1_Gloss300_3101 04_01 See A-6 for location of input ICC profile.

D. FOCOLTONE ICCS OPERATION

No	Actions	Remarks
1	Click **Print Test Sheet**. Set paper size as A4 and Landscape orientation for printing.	
2	Compare Test Sheet with Focoltone Calibration Chart. Place both sheets together on the scanner and click **Scan Composite Sheet** to launch scanner program. Ensure the composite sheet is scanned entirely with 300dpi in A4 size.	Adhere Test Sheet to Chart using the Blu-Tack provided.
3	Return to ICCS control panel and click **Analyze Color Characteristics**. ICCS automatically analyzes colors between Test Sheet and Calibration Chart, proceeds to **Adjust Color** with Artificial Intelligence techniques and shows up the NCC Chart and/or Comparison Chart under **Verify Color Output**.	
4	Close the charts and click **Print Test Sheet** again. Compare second Test Sheet with Calibration Chart to verify improved colors after adjustment.	Repeat D-2 to D-4 if not satisfied with the result.
5	Click **Apply** to generate the ICC profile and/or Output Curve if satisfied with improved results. **Best Practice:** One to three calibration cycles should normally get you the most optimum results from your printer.	See the cycle number on the top-right corner of ICCS control panel.
6	You can now use the generated ICC profile (<settingname>.icc) or Output Curve (<settingname>.atf) found in the DATA folder of the ICCS program directory for color printing. **Three ways to apply ICC profile:** • Via the RIP or PostScript driver • Via the operating system's color management module e.g. ColorSync for Macintosh or Image Color Management for Windows • Via the graphics application e.g. Adobe Photoshop, Illustrator, PageMaker, InDesign, QuarkXpress or Macromedia Freehand	• See C-4 for <settingname>. • See user manual for more information on how to apply the ICC profile.

Focoltone Technical Support

Website: http://www.focoltone.com/focoltone/html/support/support.html for latest FAQ, Troubleshooting Guide, patches and products

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